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RV Accessories Electric Lift Bed Mechanism User Manual

一、 Before installing and using the built-in electric lift bed mechanism, please read this manual carefully and fully understand its contents. Failure to do so may damage the lift bed mechanism.

二、 Features of the Electric Lift Bed Mechanism

- 1.The electric lift bed mechanism is designed for vertical movement inside the vehicle.
- 2.The maximum weight capacity of the electric lift bed is 50 kg.
- 3.When the bed is lowered for use, it must be supported by at least four points; otherwise, the mechanism may be damaged.
- 4.Before raising the bed, ensure all objects are removed from the bed.
- 5.Before lowering the bed, ensure no people, supports, or obstructions are underneath.
- 6.Adjusting the upper and lower limits of the bed must be performed by a professional technician. (For details, consult a technical engineer.)

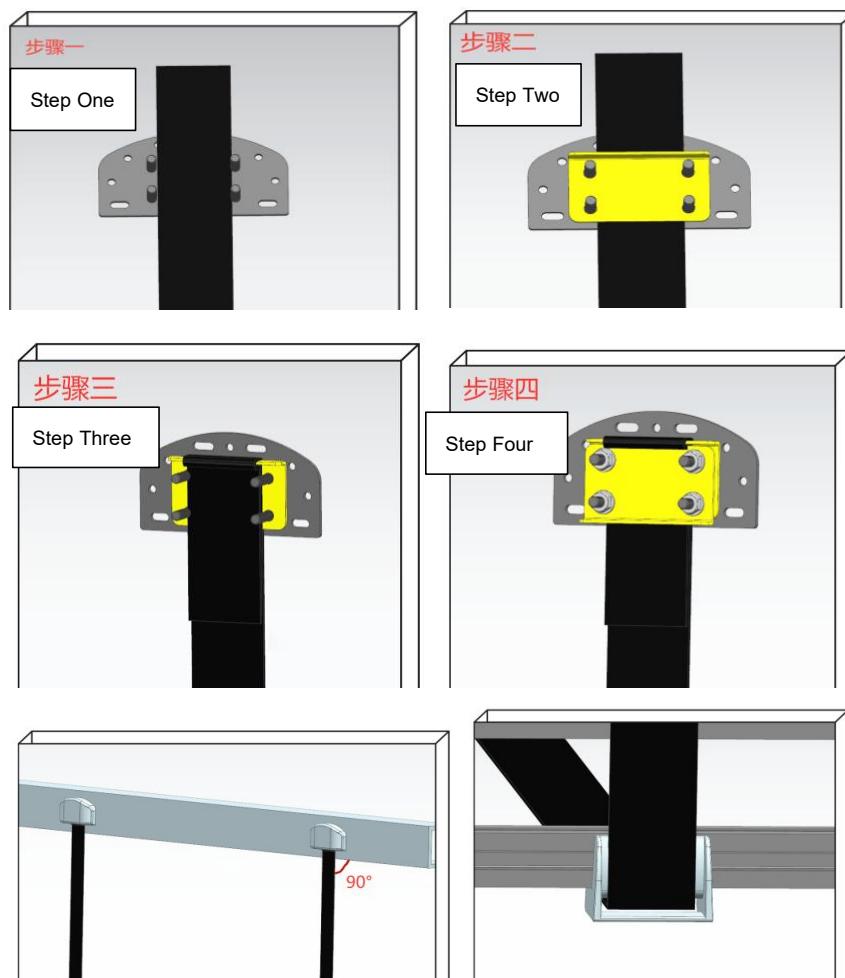
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7. The installation of the lift bed rails must be done at designated locations. (For details, consult a technical engineer.)

8. The optimal installation method for the lift bed strap anchor points. (Refer to Steps 1-4 in the diagrams.)

9. The lift bed straps must form a 90-degree angle with the vehicle and bed. (See Figures 5 and 6.)

10. The length of the lift bed straps can be adjusted as needed.



Figures 5

Figures 6

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三、 Control Switch Features of the Electric Lift Bed

Mechanism

A、 When operating the 12V electric lift bed to raise or lower: press and hold the "Up ↑" or "Down ↓" button to lift or lower the bed; release the button to stop.

B、 If an emergency occurs while the 220V electric lift bed is moving up or down, press the "Stop" button, and the bed will automatically stop moving.

C、 The electric lift bed takes approximately 50 seconds for a single upward or downward movement (standard stroke of 85 cm).

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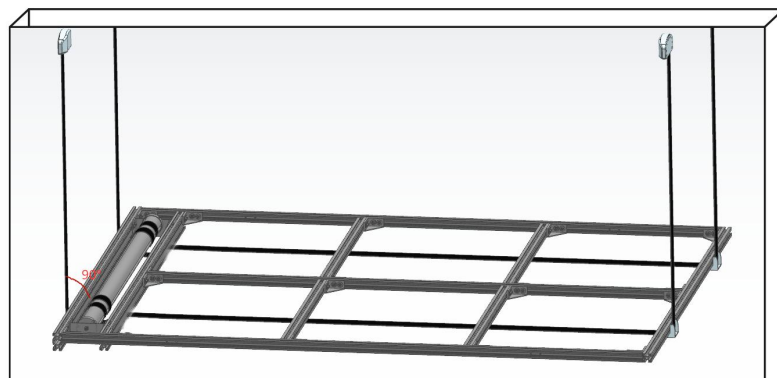
Recommended Usage Instructions

Lowering the Bed:

- 1.Visually confirm that the area below the bed is clear of people and objects.
- 2.Press the "Down" button to lower the bed to the pre-set support position.
- 3.Verify that the bed has descended to the correct position.
- 4.The bed is now ready for use.
- 5.If necessary, install a privacy curtain to ensure safety, especially for sleeping occupants and children.

Raising the Bed:

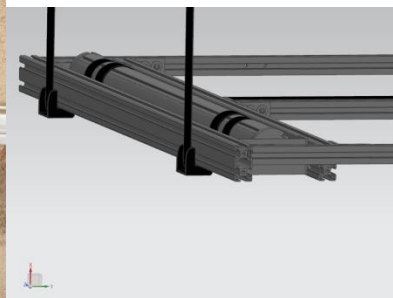
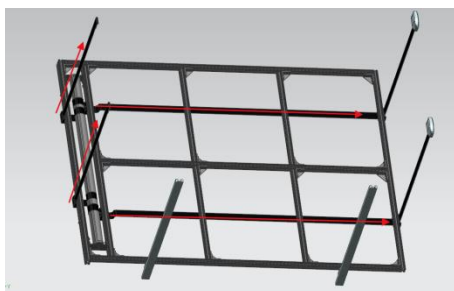
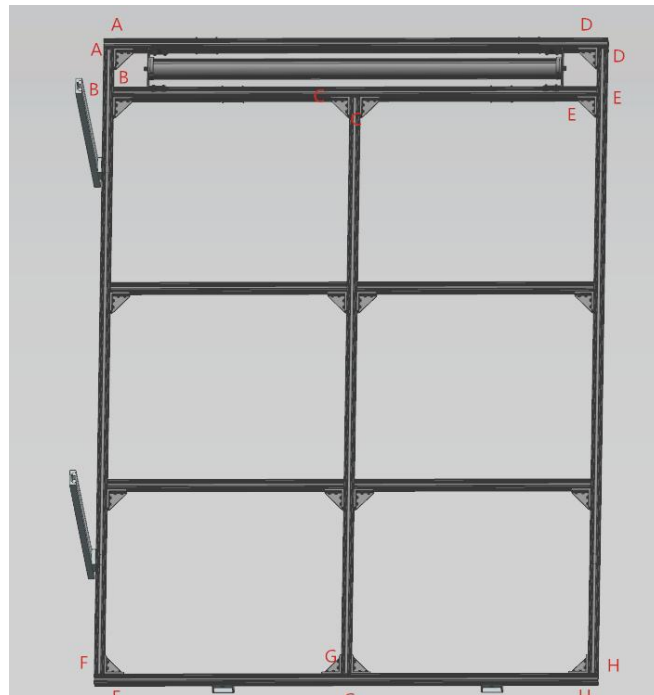
- 1.Visually confirm that the bed is free of people and objects.
- 2.Press the "Up" button to raise the bed to the pre-set position.
- 3.Verify that the bed has ascended to the correct position.



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四、 Installation Instructions

- 1.The lift bed brackets are labeled with letters. Match them according to the diagram.
- 2.Note: Before installation, insert the square nuts into the bracket slots.
- 3.All four straps must be wound around the motor housing in the same direction (clockwise).
- 4.For rail installation, drill holes ($\varnothing 5\text{mm}$) as needed, adjusting the positions based on actual space constraints.



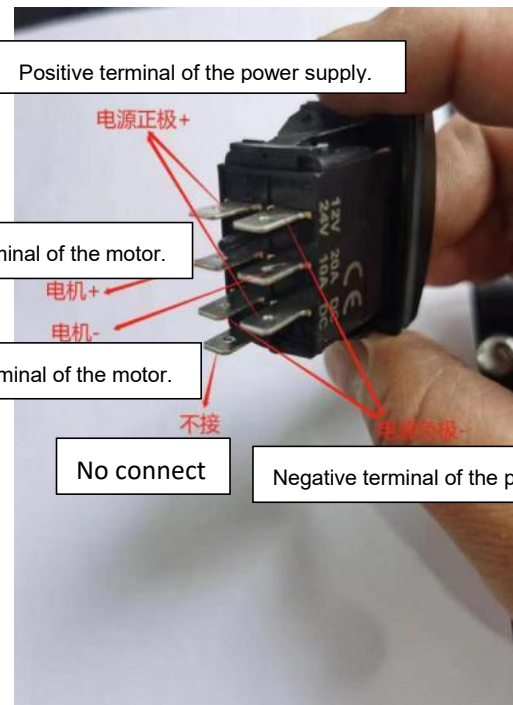
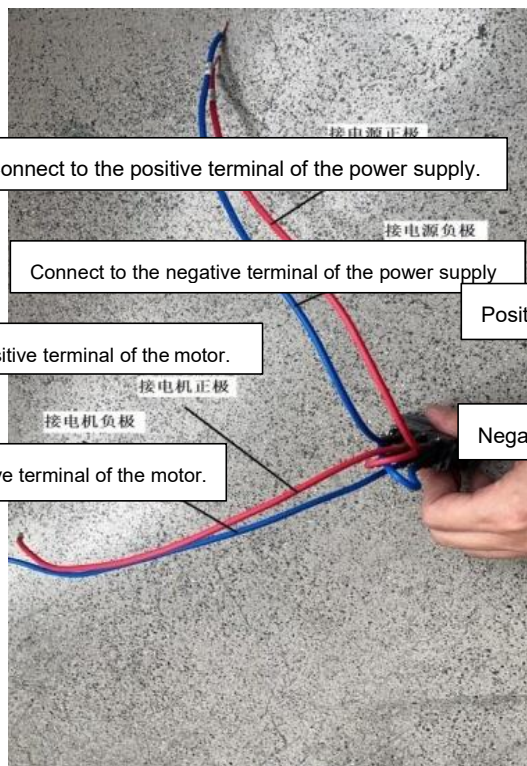
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Description of the Control System for 12V Electric Lift Bed for RV Accessories

一、Power Supply and Wiring Requirements:

- 1、Voltage: 11V – 16V, maximum operating current: 10A.
- 2、Use 1.5 mm² wires for power connections and a 15A fuse.

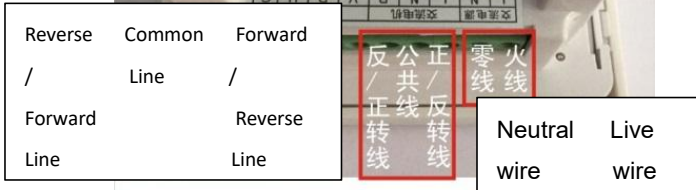
Maximum load current must not exceed 10A.



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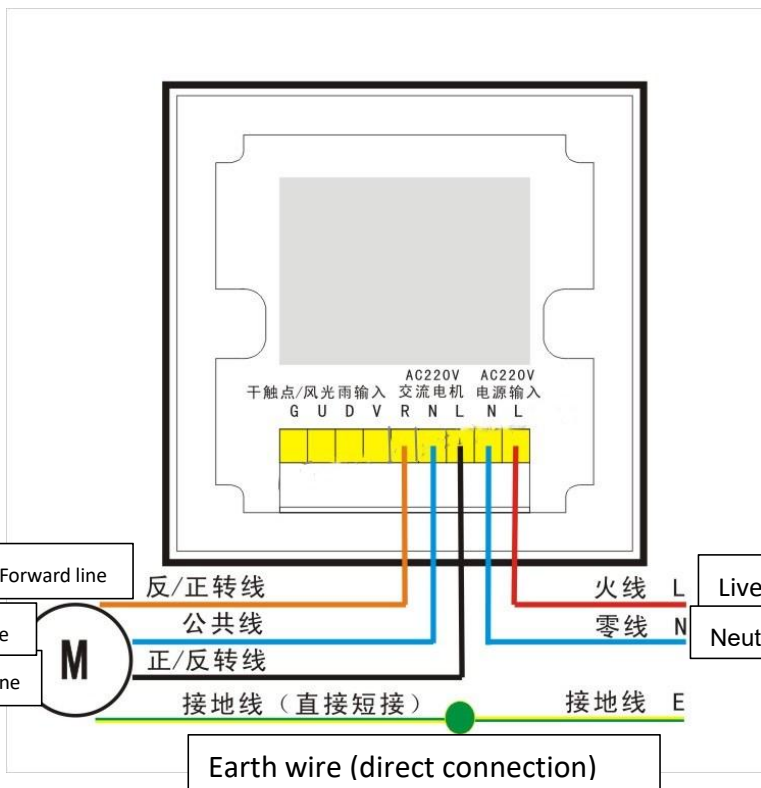
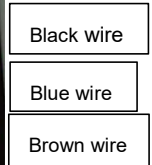
220V Electric Lift Bed Control Panel Wiring

Diagram



220V控制-220进220出

220V Control – 220V Input & 220V Output



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二、 Motor Limit Adjustment

1. Locate the red and white adjustment holes on the motor head, as well as the included adjustment tool. By default, the red hole controls the upper limit (stopping point when rising), and the white hole controls the lower limit (stopping point when descending). Exceptions may apply for special requirements.

2. Adjust the down stroke: First, connect the motor wires to the power supply. Insert the adjustment tool into the white adjustment hole and rotate it in the direction of the "+" arrow. Each turn will move the actuator slightly downward. Rotate until it reaches your desired position — the down stroke setting is then complete.

3. Adjust the up stroke: Insert the adjustment tool into the red adjustment hole and rotate it in the direction of the "-" arrow. Each turn will move the actuator slightly upward. Rotate until it reaches your desired position — the up stroke setting is then complete.

